PSTN
CD

108

PSTN

124

SM

112

SERVICE PROVIDER
WAN

MODEM
BANK

126

110

CM

IS-707.5

116

BTS

122

118

BS8/MS8/IWF

102

104

106

CD

IP GATEWAY

THE
INTERNET

120

128

NRS TERMINAL OR
ADMINISTRATOR
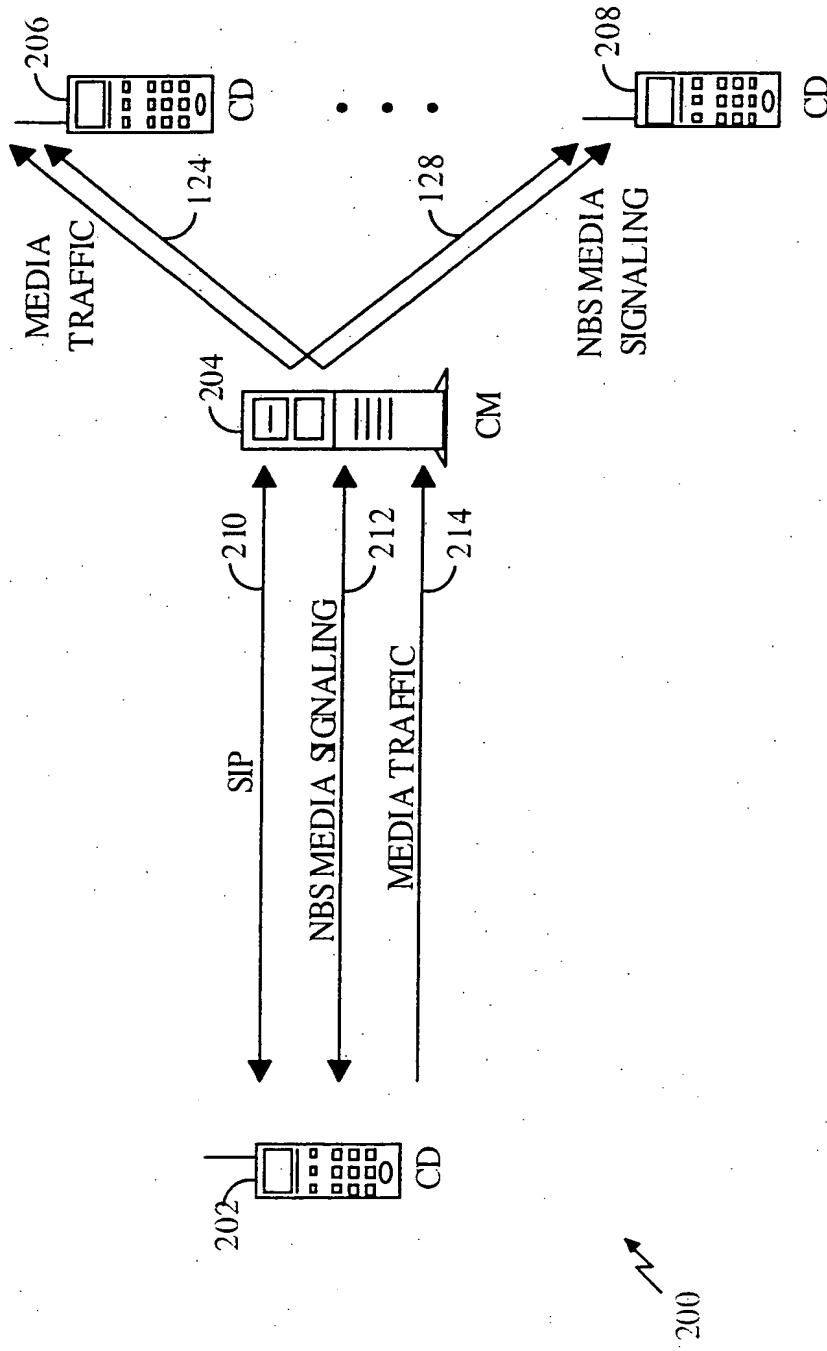
FIG. 1

100

MEDIA
TRAFFIC

124

NBS MEDIA
SIGNALING

128

CD — 206

CD — 208

204

CM

SIP

210

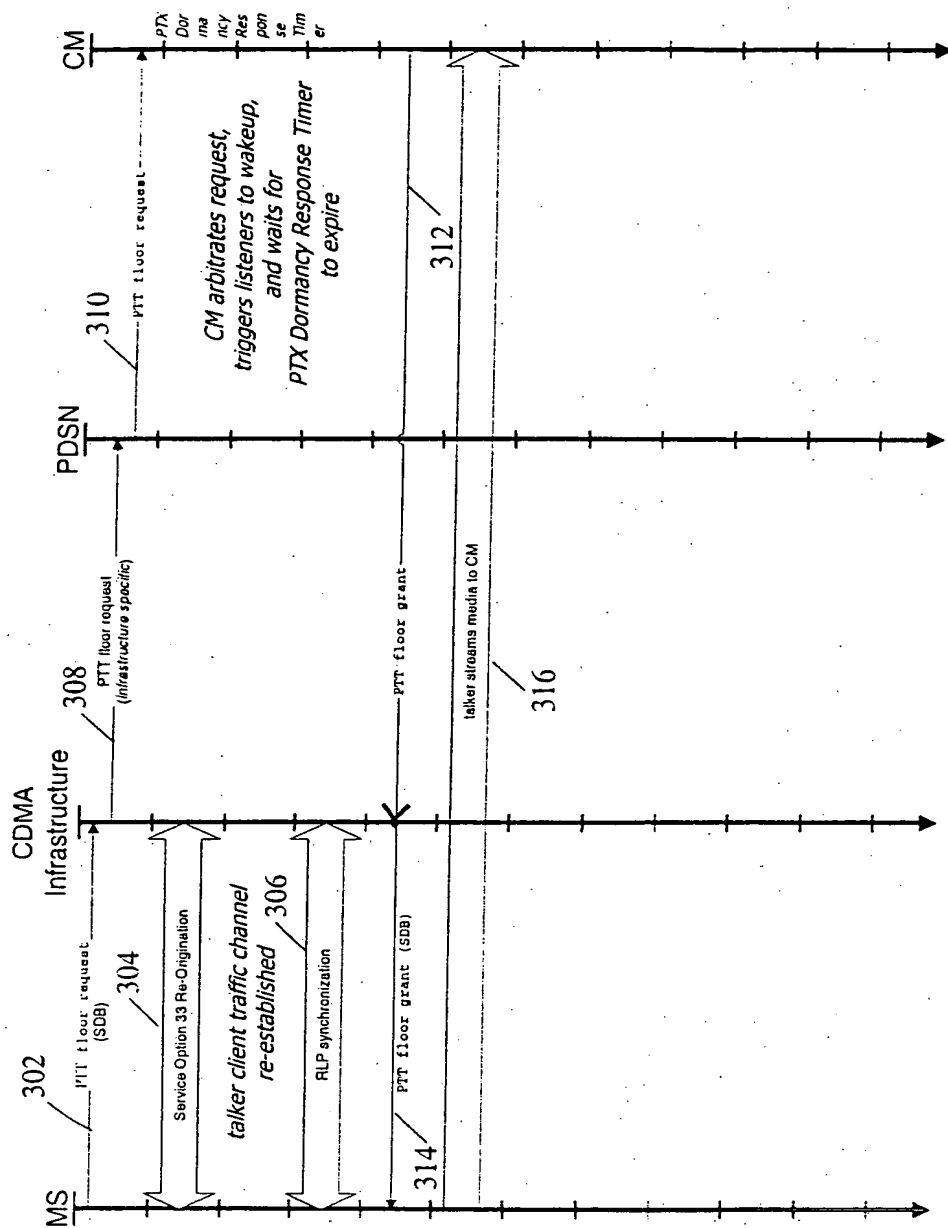NBS MEDIA SIGNALING

212

MEDIA TRAFFIC

214

CD

202

200

FIG. 2

FIG. 3
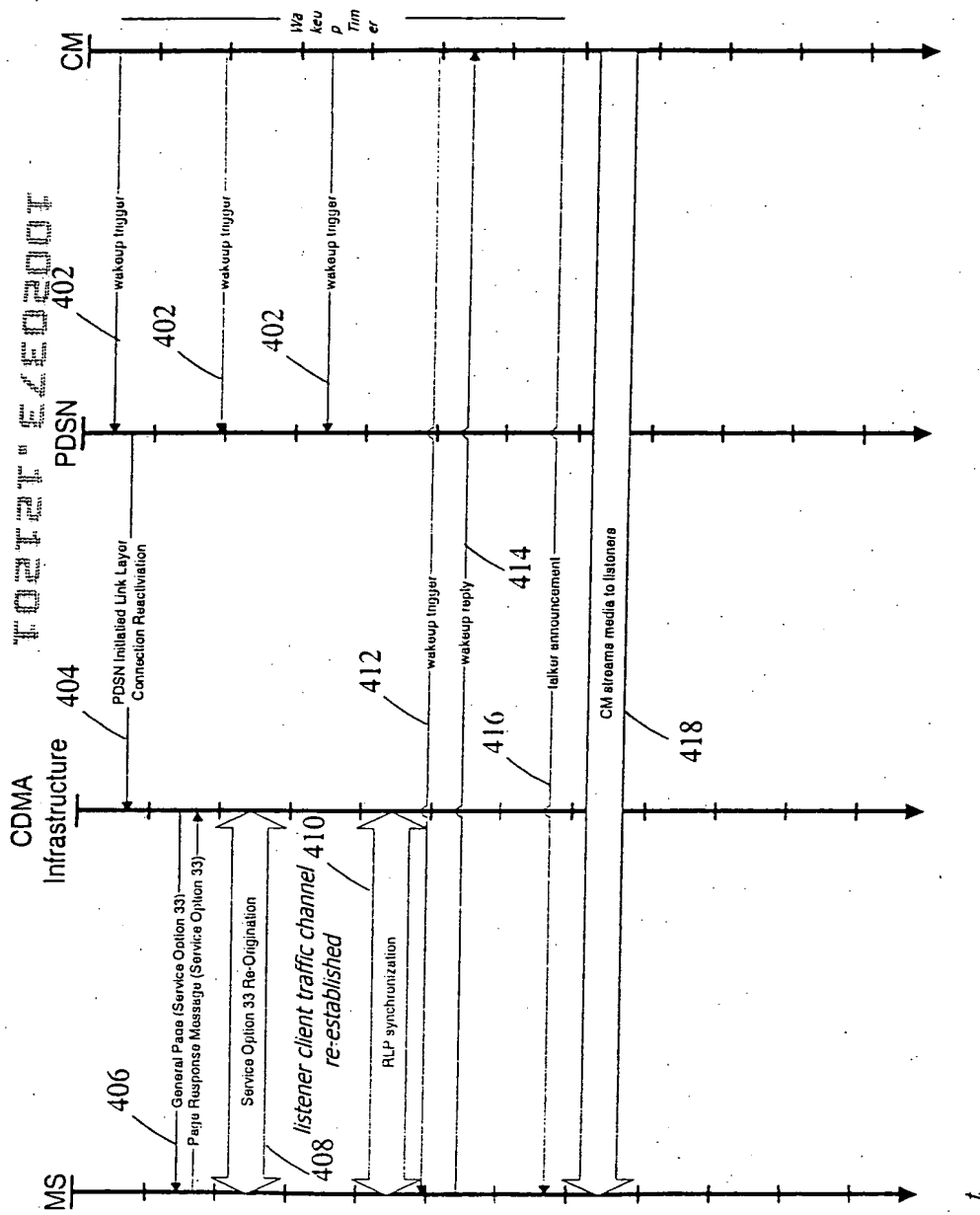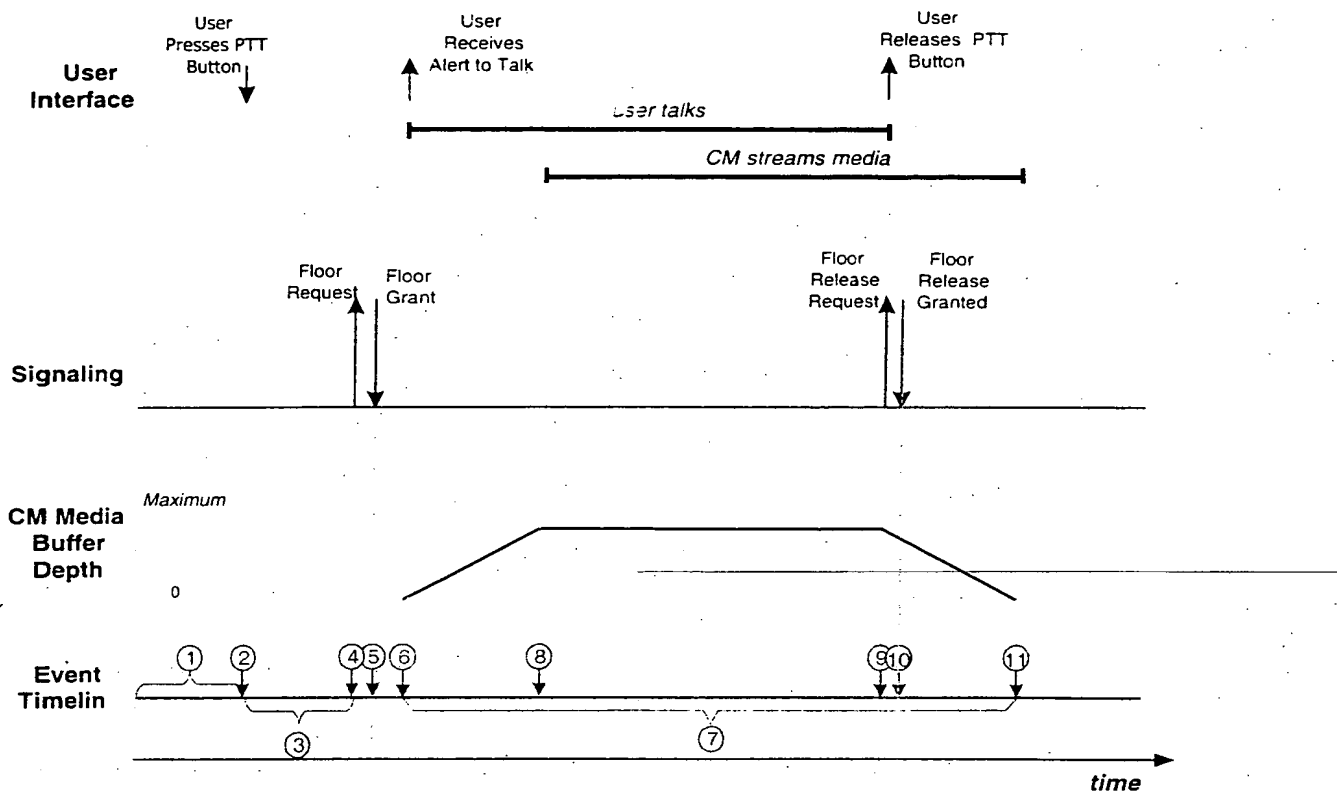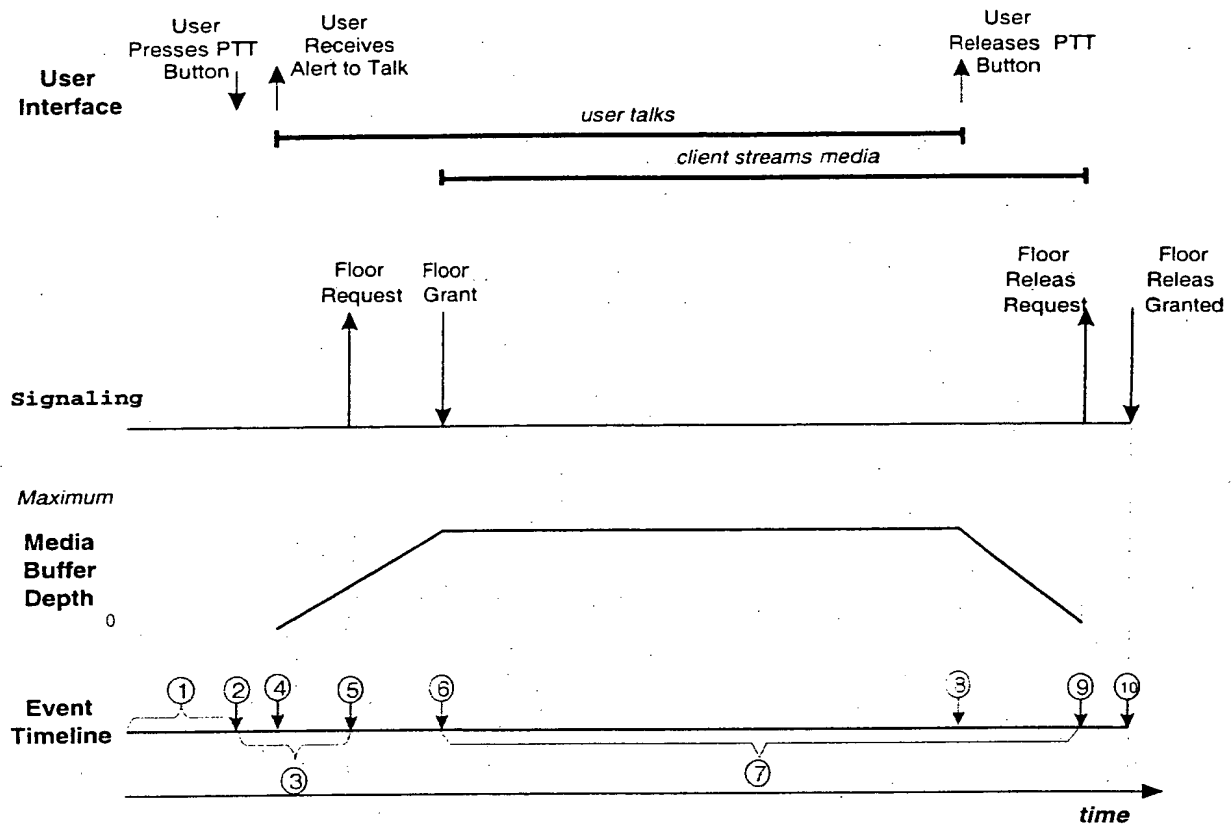
FIG. 4

① Group is dormant.

② User presses the PTT button.

③ Client re-establishes a packet data connection.

④ Packet data connection has been estab shed; floor request is transmitted to CM

⑤ Client Receives grant of floor from CM.

⑥ User is alerted to begin speaking; med a is streamed to

⑦ CM buffers media from talker

⑧ CM receives indication that listener phc es have re-established their traffic channels, and begins streaming media tolisteners hones.

⑨ User finishes talking and releases his P button; floor release request is

⑩ Floor release is granted to

⑪ CM stops streaming media to

FIG. 5

FIG. 6

① Group is dormant.

② User presses the PTT button.

③ Client begins process of re-establishing a packet data traffic channel.

④ Client alerts user that floor has been granted after a configurable delay and begins buffering user media.

⑤ Client successfully re-establishes traffic channel. Client transmits request for floor to CM.

⑥ Client is granted the floor by the CM

⑦ Client streams buffered media to CM.

⑧ User releases the PTT button. Client stops buffering media.

⑨ Client finishes streaming buffered media to CM, requests release of the floor by the CM.

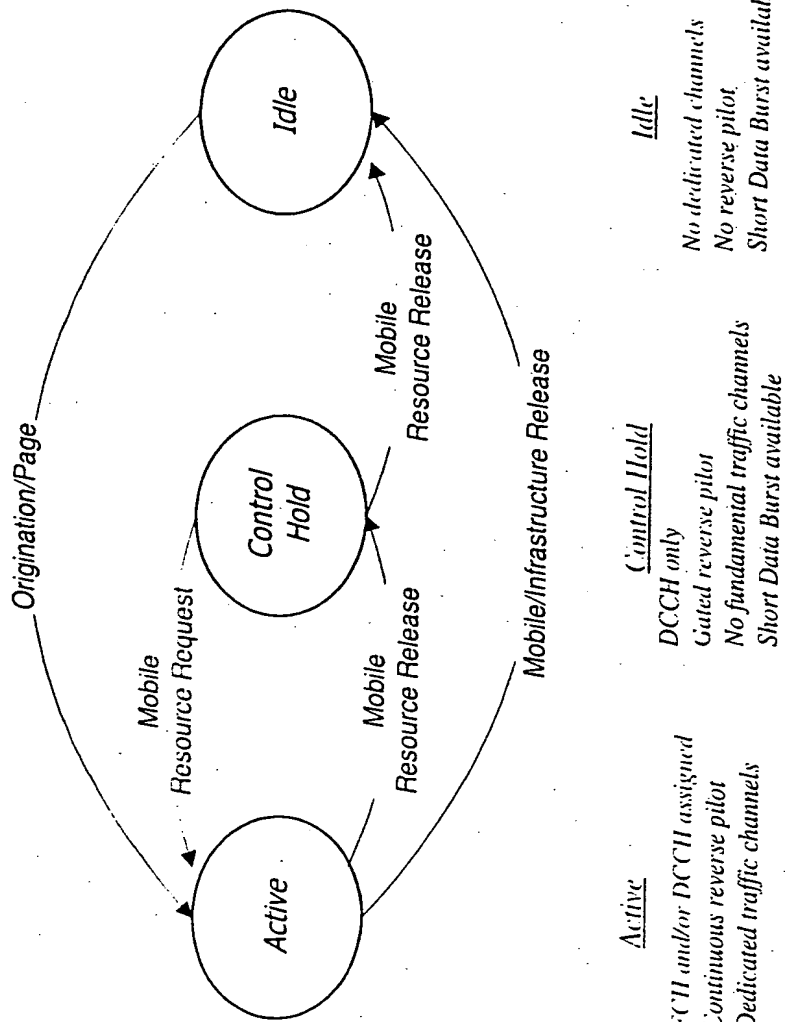⑩ Client receives acknowlegement of floor release from the CM

FIG.7